

Zoo Interchange Integrated Corridor Management

PERFORMANCE REPORT

March 2017

(January Performance Data)

January Updates

Events that impacted traffic in January:

Weather: A winter storm on January 25 dropped 0.20 inches of snow from Midnight to 3:00pm. I-41 SB in the evening (from Capitol Dr to I-94) had a 13 minute average travel time during the PM peak. Average travel time for this corridor is 9 minutes.

Weather: On January 30 a winter storm dropped 0.40 inches of snow from Midnight to 8:00pm. Several corridors experienced higher travel times in the evening including Bluemound Rd and Greenfield Ave EB and WB in the PM, I-41 SB in the PM (Capitol Dr to I-94), WIS 100 SB (Capitol Dr to Beloit Rd) in the PM, and 84th St NB in the PM. (See pages 1,2,4,6, and 8)

Construction Closure Impact: The Zoo Interchange N-E ramp closure has impacted PTI values for I-94 EB from the Zoo Interchange to the Stadium Interchange. The primary diversion route for this closure is to exit the I-41 SB freeway at Bluemound Rd, travel east to 84th St, then head south to the 84th St & I-94 interchange to enter the I-94 EB freeway. Also additional traffic is entering the freeway at 68th St to head eastbound. PTI values have steadily increased for I-94 EB (Zoo to Stadium) from November to January, going from 2.08 to 3.24. (See page 12)

All data is two months behind the month it is reported as project data sets are not available until 3-4 weeks after the month ends.

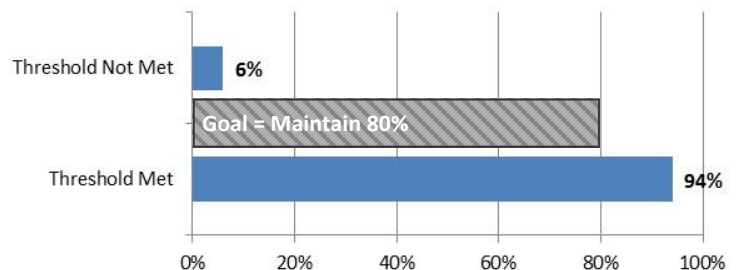
Mobility Summary—January

Corridor Average Travel Time measures the average travel time for a peak period against an established travel time threshold. The travel time threshold for arterial roads is 50% of the posted speed limit. The travel time threshold for freeways is the time it takes to travel the segment at 45 mph.

Two segments in January did not meet travel time thresholds:

- I-41 SB (Capitol Dr to I-94) Corridor (PM)
- I-41 NB (Beloit Rd to I-94) Corridor (AM)

Corridor Average Travel Time

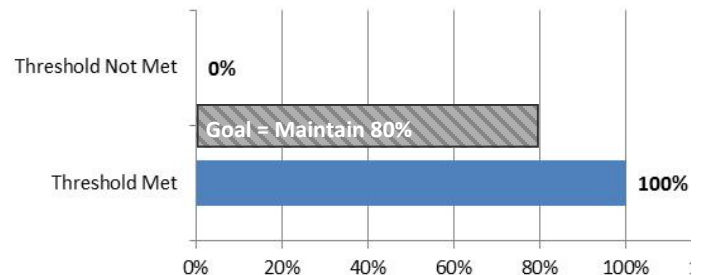


Percent Under Given Speed Threshold measures how many hours during the month peak travel times (AM and PM) speeds are slower than 50% of the posted speed limit for arterial corridors. Because of the varying speed limits on arterial roads, each corridor has a different threshold. Freeways are measured against a speed threshold of 45 mph. The percentage of speeds under the threshold should be less than 50%.

During January all freeway corridors were under 50%.

The majority of arterial corridors were under 3%, the exceptions being Moorland Rd SB (13%) and 84th St SB (12%).

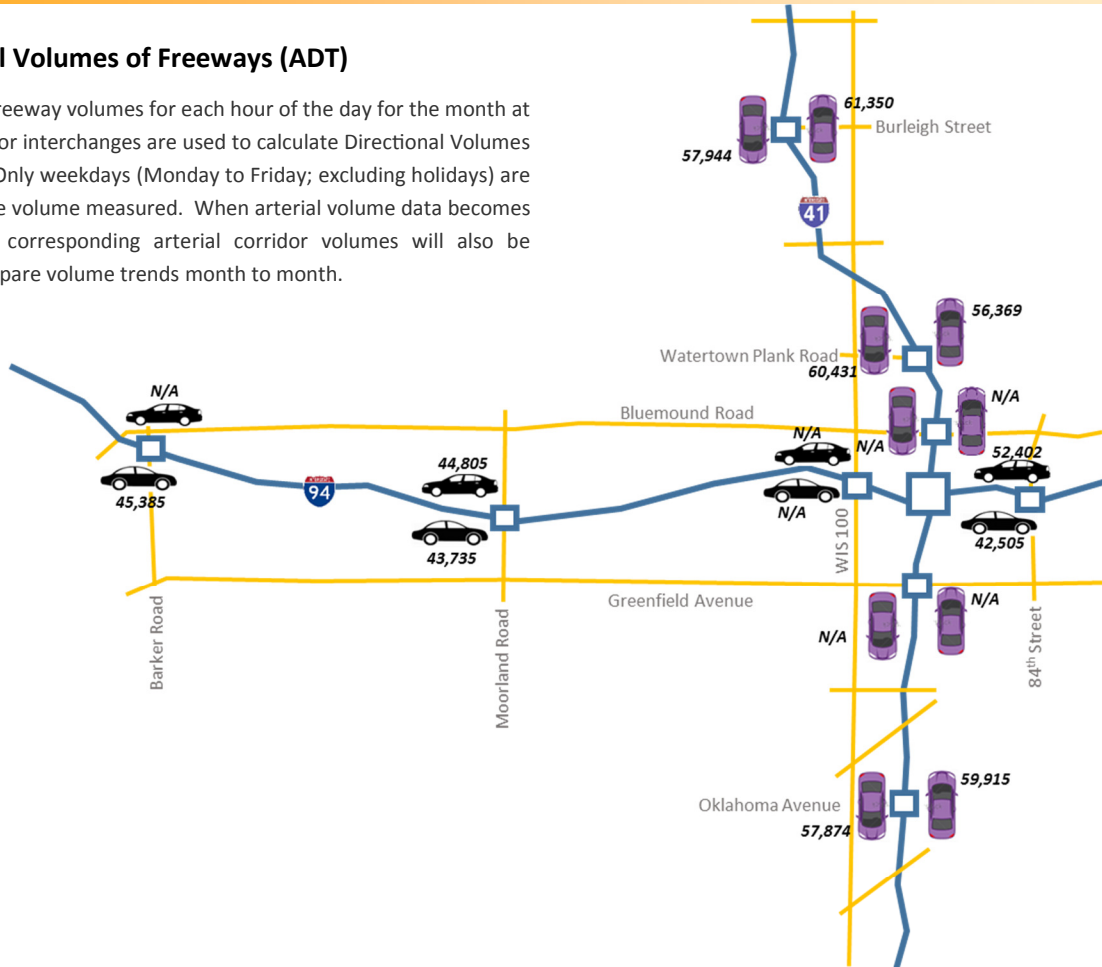
Percent Under Given Speed Threshold



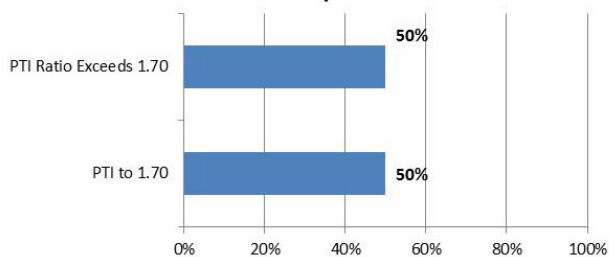
Mobility Summary—January

Directional Volumes of Freeways (ADT)

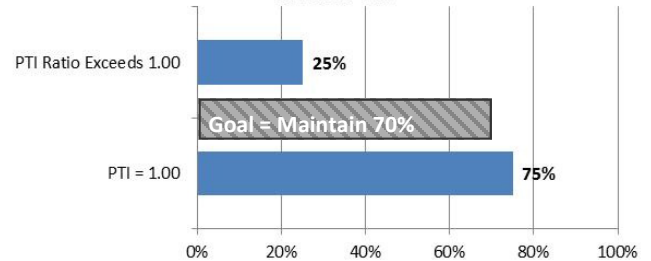
The average freeway volumes for each hour of the day for the month at specific corridor interchanges are used to calculate Directional Volumes of Freeways. Only weekdays (Monday to Friday; excluding holidays) are included in the volume measured. When arterial volume data becomes available the corresponding arterial corridor volumes will also be shown to compare volume trends month to month.



Freeway PTI



Arterial PTI



The Planning Time Index (PTI) metric is the ratio of 95th percentile travel time to: (1) Travel time at 50% of the posted speed limit for arterial corridors, and (2) Travel time at posted speed limit (55 mph and 70 mph) for freeway corridors. This includes both AM and PM peak periods for the month. The minimum ratio is 1.00.

During January three arterial corridors exceeded the minimum PTI ratio of 1.00: 84th St NB & SB and Moorland Rd SB. 84th St has additional volumes from I-41 SB traffic diverting to Blue mound Rd eastbound (due to the Zoo Interchange N-E ramp closure) that use the 84th St on-ramp to I-94 EB to travel eastbound.

All freeway corridors exceeded the minimum PTI ratio of 1.00 in January. The four corridors that had the greatest ratio were I-41 SB (Capitol Dr to I-94), I-94 WB & EB from Stadium to Zoo, and I-41 NB (Beloit Rd to I-94). See page 12 for all PTI ratios.

January Events

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
2 <ul style="list-style-type: none"> ■ Rain/Fog (0.01 inches, 2:00pm-Midnight) ■ 12:15pm-1:15pm: Zoo Int S-N system ramp (right lane closed) 	3 <ul style="list-style-type: none"> ■ 6:00am-Wed 6:00am (1/11): 84th St SB right lane closure at Adler St. I-94 WB off ramp to 84th St left lane closure ■ Overnight: I-94 WB traffic switch between WIS 100 and Elm Grove Rd 	4 <ul style="list-style-type: none"> ■ By 5:30am: WIS 100 entrance ramp to I-94 WB closed long-term ■ 7:11am-8:12am: I-94 WB off ramp to 84th St (shoulder closed) 	5 <ul style="list-style-type: none"> ■ 12:26pm-12:44pm: Greenfield Ave EB at 124th St (left lane and left-turn bay closed) ■ 3:45pm-4:22pm: I-94 EB at Curtis Rd (two right lanes closed) 	6 <ul style="list-style-type: none"> ■ 6:00pm-Unknown: I-94 EB at Hawley Rd (two right lanes closed) ■ 10:38pm-11:10pm: National Ave entrance ramp to I-41 NB (lanes affected unknown)
9 <ul style="list-style-type: none"> ■ Snow (0.60 inches, 4:00am-6:00am, 6:00pm-8:00pm, and 11:00pm-Midnight) 	10 <ul style="list-style-type: none"> ■ Rain/Snow (0.47 inches of Rain and 0.10 inches of snow, Midnight-6:00pm) ■ 8:25am-9:00am: I-94 WB at 76th St (left shoulder closed) 	11 <ul style="list-style-type: none"> ■ Rain/Ice (0.02 inches, 5:00pm-Midnight) ■ By 6:00am: 84th St SB right lane closure at Adler St. I-94 WB off ramp to 84th St left lane closure reopened ■ 6:51am-7:35am: I-94 WB at 124th St (two left lane closed) ■ 7:45am-8:40am: Lincoln Ave WB at WIS 100 (full closure) ■ 8:10am-8:38am: Bluemound Rd EB at Sunnyslope Rd (left lane closed) 	12 <ul style="list-style-type: none"> ■ Snow (0.20 inches, 2:00am-11:00am) 	13 <ul style="list-style-type: none"> ■ Snow (Trace, 2:30pm-4:00pm) ■ By 5:30am: WIS 100 entrance ramp to I-94 EB long-term closure reopened ■ 6:33pm-7:22pm: I-94 EB at Elm Grove Rd (two left lanes closed)
16 <ul style="list-style-type: none"> ■ Martin Luther King, Jr. Day ■ Rain (0.53 inches, 6:00am-Midnight) ■ By 6:00am: Curtis Rd NB/SB at I-94 restricted to one lane each direction 	17 <ul style="list-style-type: none"> ■ Rain/Fog (0.11 inches, Midnight-9:00am and 6:00pm-8:00pm) 	18 <ul style="list-style-type: none"> ■ 2:31am-3:02am: I-94 WB at 76th St (lanes affected unknown) ■ 6:23am-7:07am: I-94 WB off ramp to Hawley Rd (ramp closed) 	19 <ul style="list-style-type: none"> ■ Rain/Fog (0.08 inches, 7:00am-11:00am and 5:00pm-Midnight) 	20 <ul style="list-style-type: none"> ■ Rain/Fog (0.43 inches, Midnight-10:00am and 2:00pm-Midnight) ■ 3:55am-4:36am: I-41 NB at National Ave (lanes affected unknown)
23 <ul style="list-style-type: none"> ■ 2:48pm-3:38pm: Zoo Int S-W system ramp (ramp closed) 	24 <ul style="list-style-type: none"> ■ Rain/Snow (0.20 inches of snow, 11:00pm-Midnight) ■ 5:40am-6:26am: I-41/894 NB at Schlinger Ave (lanes affected unknown) 	25 <ul style="list-style-type: none"> ■ Rain/Snow (0.80 inches of snow, all day) 	26 <ul style="list-style-type: none"> ■ Snow (0.20 inches, Midnight-3:00pm) ■ Overnight: I-94 WB and Zoo Int E-N system ramp minor traffic switch 	27 <ul style="list-style-type: none"> ■ Snow (Trace, 4:00am-Noon) ■ 7:58am-8:27am: I-94 WB at 68th St (lanes affected unknown)
30 <ul style="list-style-type: none"> ■ Snow (1.5 inches, 2:00pm-Midnight) 	31 <ul style="list-style-type: none"> ■ Snow (0.40 inches, Midnight-9:00am and 6:00pm-8:00pm) ■ 5:38pm-6:02pm: I-41 SB at Swan Blvd (two left lanes closed) ■ 7:27pm-10:34pm: WIS 100 SB at Oklahoma Ave (full closure) 			

■ Lane Closure
 ■ Special Events
 ■ Weather
 ■ Recorded Incidents



ZOO INTERCHANGE ICM PERFORMANCE MEASURES

Performance and Trends - January 2017

Network Health Summary—January

	<i>Previous Month</i>	<i>Current Month</i>	<i>Target</i>	<i>Target Met</i>
DEVICE FAILURE IMPACT				
<i>CCTV</i>	3-Low 1-Medium 1-High	2-Low 3-Medium	<5	✓
<i>DMS</i>	3-Low 1-Medium 1-High	1-Low 1-Medium	<5	✓
<i>Ramp Meter</i>	3-Medium 3-High	4-Medium 2-High	<5	
<i>Bluetooth</i>	1*	1*	<5	✓
<i>Signal</i>	n/a	8	<10	✓
MAJOR COMMUNICATION FAILURE IMPACT	None for December	None for January		
DEVICE COMMUNICATION AVAILABILITY				
<i>CCTV</i>	97%	97%	90%	✓
<i>DMS</i>	96%	97%	90%	✓
<i>Bluetooth</i>	100%	100%	90%	✓
<i>Signal</i>	96%	100%	90%	✓

* The Bluetooth sensor at Bluemound Rd & Executive Dr (WDS-0088) was out starting November 17. A maintenance ticket was issued in December and the device was repaired on January 9.

January Construction Events

LONG TERM CLOSURES

Full Closure: Bluemound Rd Entrance Ramp to I-41 SB (Closed until late August 2017)

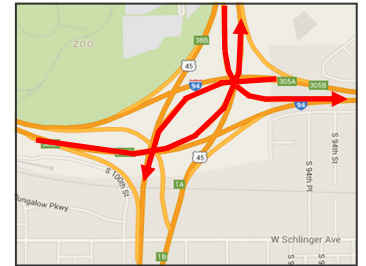
Full Closure: I-41 NB Exit Ramp to Bluemound Rd (Closed until late April 2018)



Full Closure: Zoo Interchange WB to SB System Ramp (Closed until late November 2017)

Full Closure: Zoo Interchange SB to EB System Ramp (Closed until late May 2017)

Full Closure: Zoo Interchange EB to NB System Ramp (Closed until late May 2017)

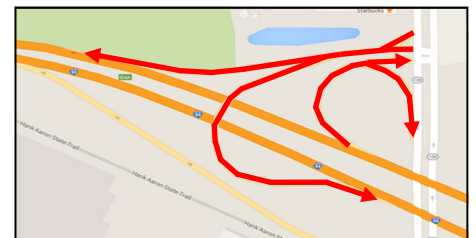


Full Closure: WIS 100 Entrance Ramp to I-94 WB (Closed until Fall 2017)

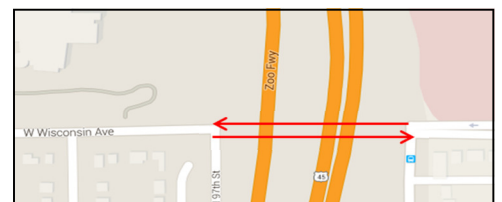
Full Closure: I-94 WB Exit Ramp to WIS 100 NB (Closed until late November 2017)

Full Closure: I-94 WB Exit Ramp to WIS 100 SB (from I-94 WB and I-41 NB) (Closed until late November 2017)

Full Closure: WIS 100 Entrance Ramp to I-94 EB (January 2 to January 14, 2017)



Full Closure: Wisconsin Ave EB & WB (95th St to 97th St) (Closed until late May 2017)



January Construction Events

LONG TERM CLOSURES

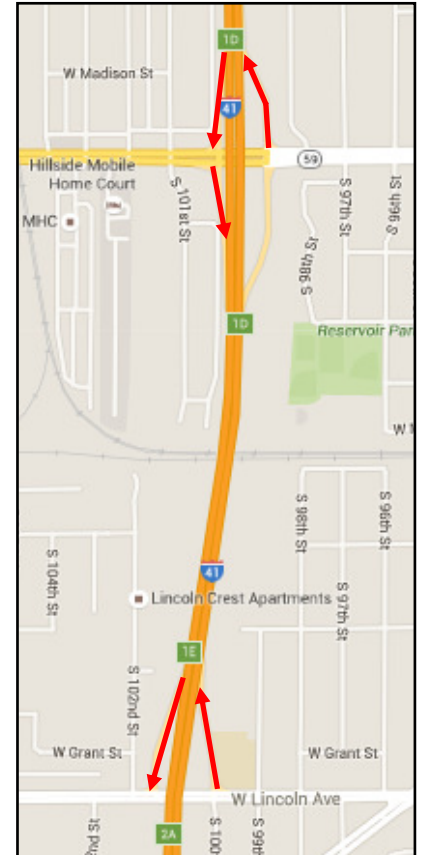
Partial Closure: Greenfield Ave Entrance Ramp to I-41/894 NB (Access to I-94 EB only) (Late 2017)

Full Closure: Lincoln Ave Entrance Ramp to I-41/894 NB (Closed until early Fall 2017)

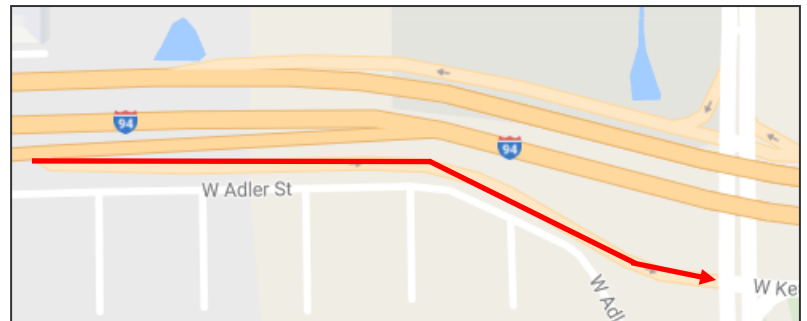
Full Closure: Greenfield Ave Entrance Ramp to I-41/894 SB (Closed until early Fall 2017)

Full Closure: I-41/894 SB Exit Ramp to Greenfield Ave (Closed until Summer 2018)

Full Closure: I-41/894 SB Exit Ramp to Lincoln Ave (Closed until Summer 2018)



Full Closure: I-94 EB Exit Ramp to 84th St (from I-94 EB and I-41 SB) (Closed until late November 2017)





ZOO INTERCHANGE ICM PERFORMANCE MEASURES

Performance and Trends - January 2017

Contents

Monthly Summary i-vi

Phase I Measures

Corridor Average Travel Time.....1-8

Directional Volumes—Freeways 9-11

Planning Time Index (PTI)12

Top Traffic Volume Hours—Freeways.....13

Percent Under a Given Speed Threshold14

Device Failure Impact15

Major Communication Failure Impact15

Device Communication Availability.....16

Appendix

Corridor Average Travel Time Table.....17

Corridor Average Speed Table.....18

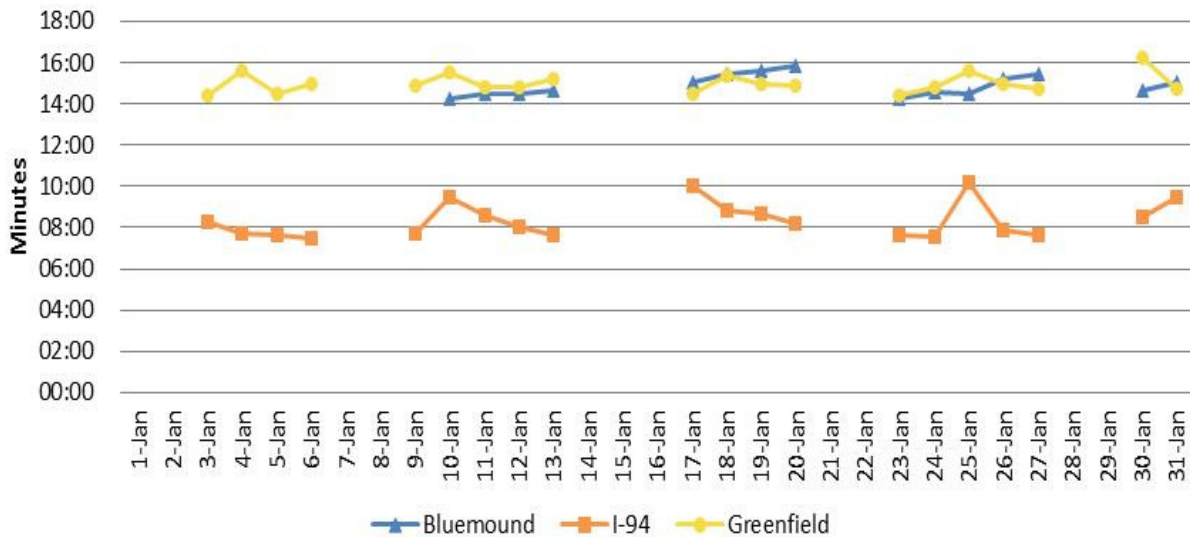
Directional Volumes of Freeways Table19

Percent Under a Given Speed Threshold Table.....19

CORRIDOR AVERAGE TRAVEL TIME

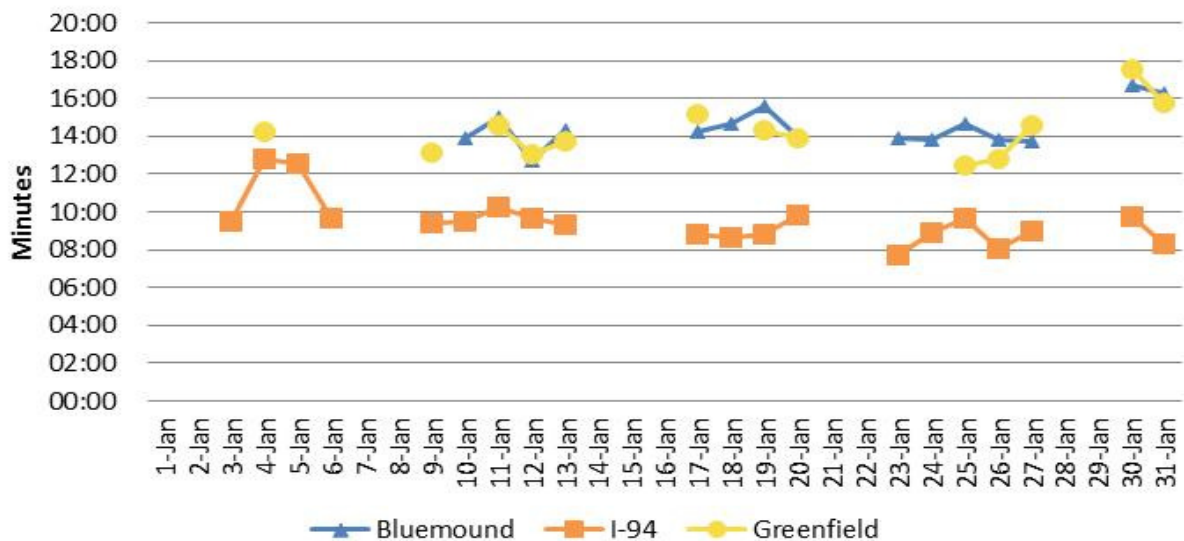
Barker Road to 84th Street (Eastbound)

AM



Barker Road to 84th Street (Eastbound)

PM



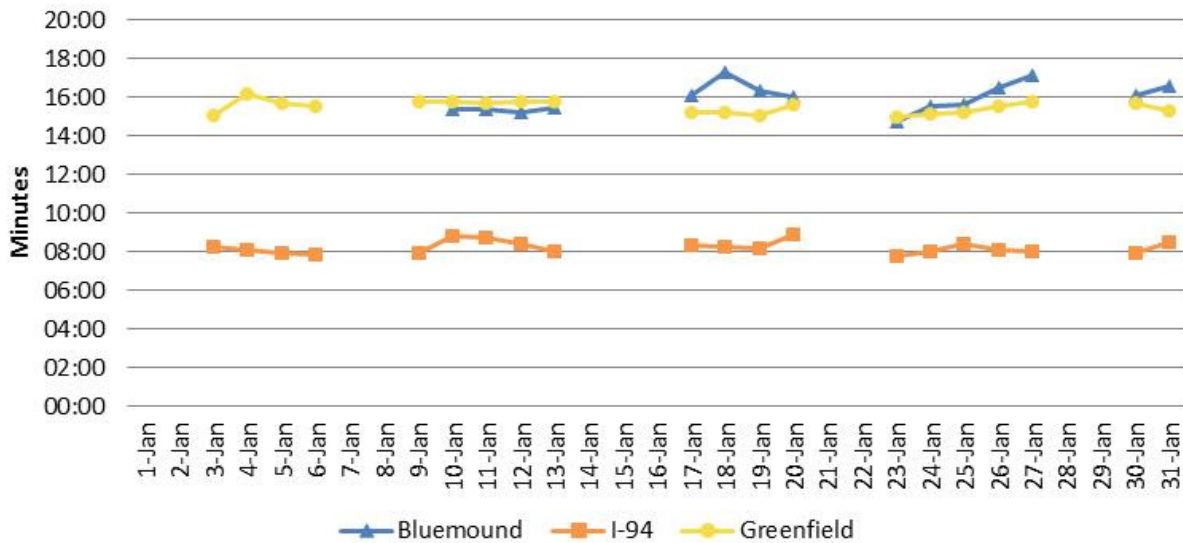
Notes: AM (6am to 9am) and PM (3pm to 6pm)

Bluemound Rd data is unavailable this month from January 1 to 9 due to a Bluetooth sensor outage.

CORRIDOR AVERAGE TRAVEL TIME

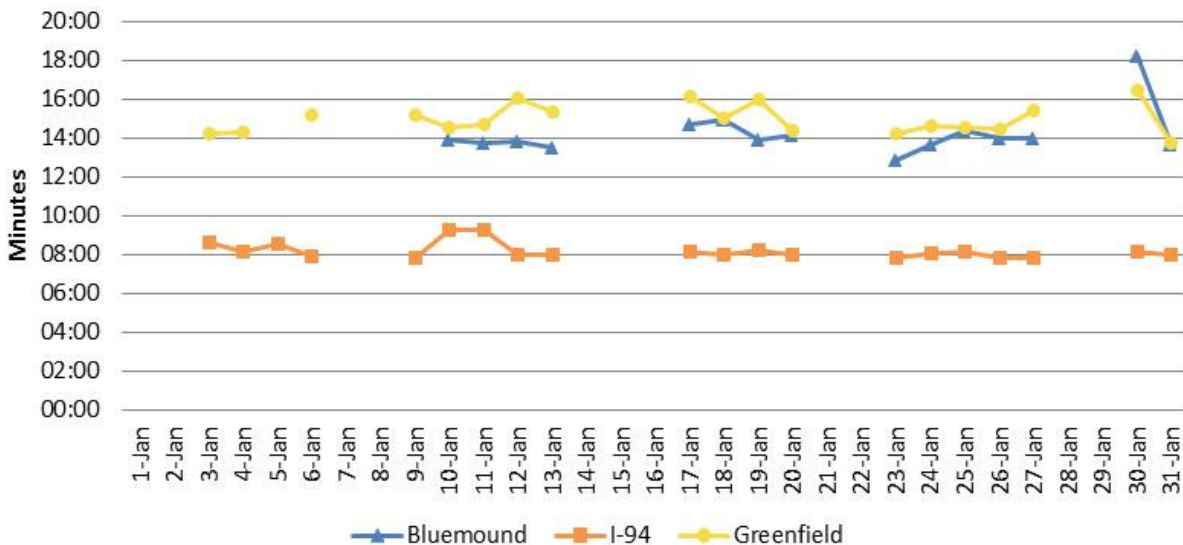
84th Street to Barker Road (Westbound)

AM



84th Street to Barker Road (Westbound)

PM



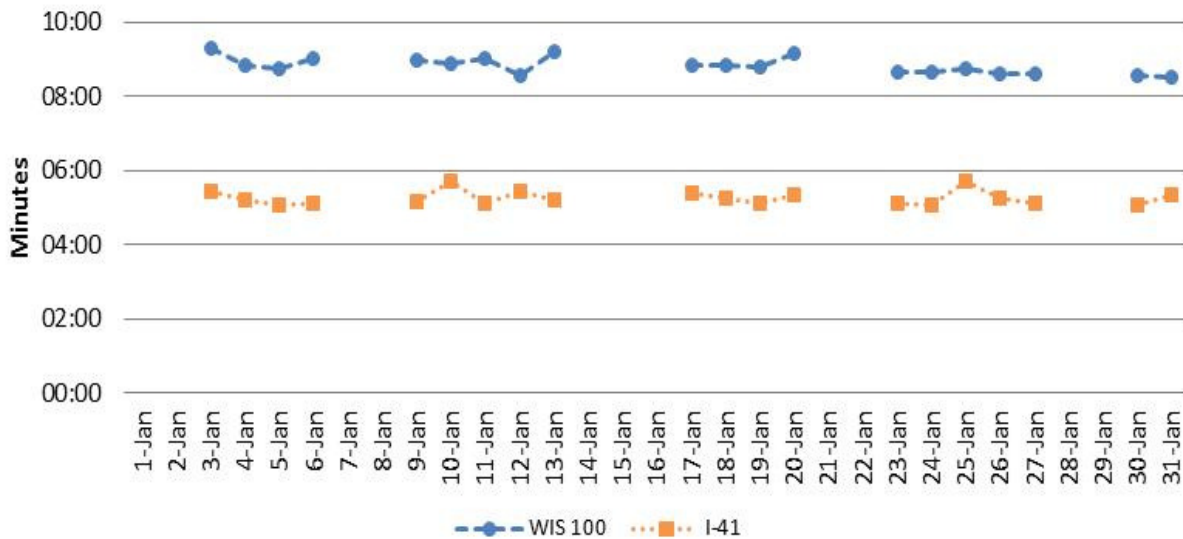
Notes: AM (6am to 9am) and PM (3pm to 6pm)

Bluemound Rd data is unavailable this month from January 1 to 9 due to a Bluetooth sensor outage.

CORRIDOR AVERAGE TRAVEL TIME

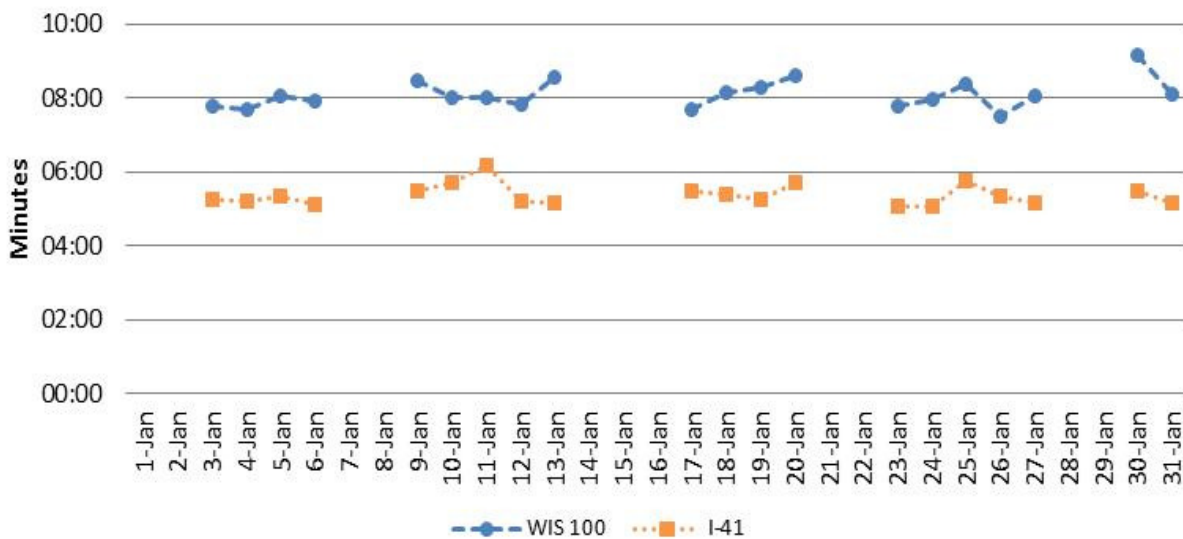
NORTH LEG - I-94 to Capitol Drive (NB)

AM



NORTH LEG - I-94 to Capitol Drive (NB)

PM

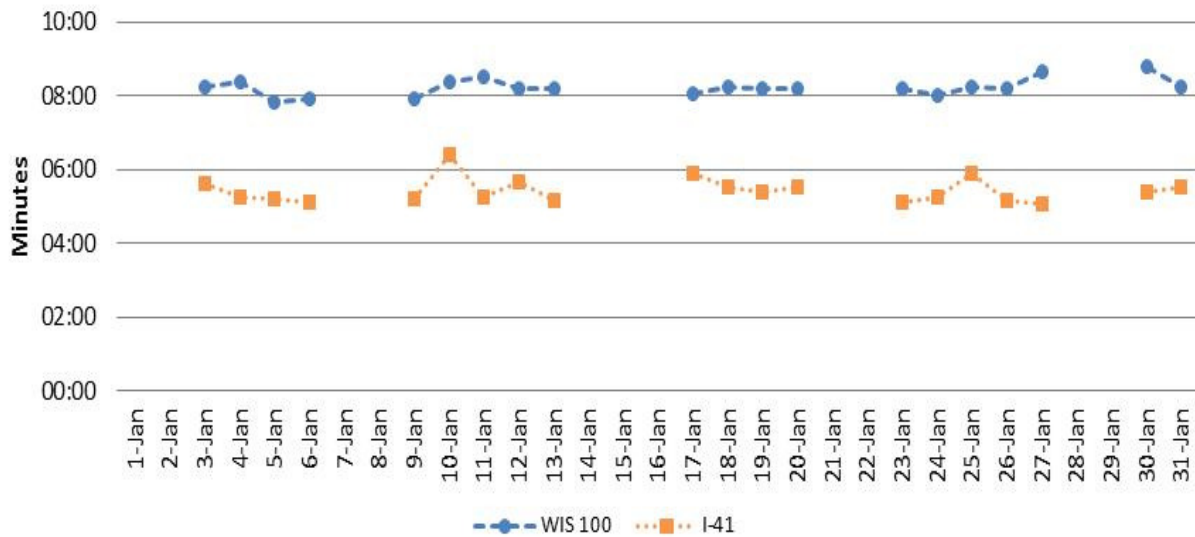


Notes: AM (6am to 9am) and PM (3pm to 6pm)

CORRIDOR AVERAGE TRAVEL TIME

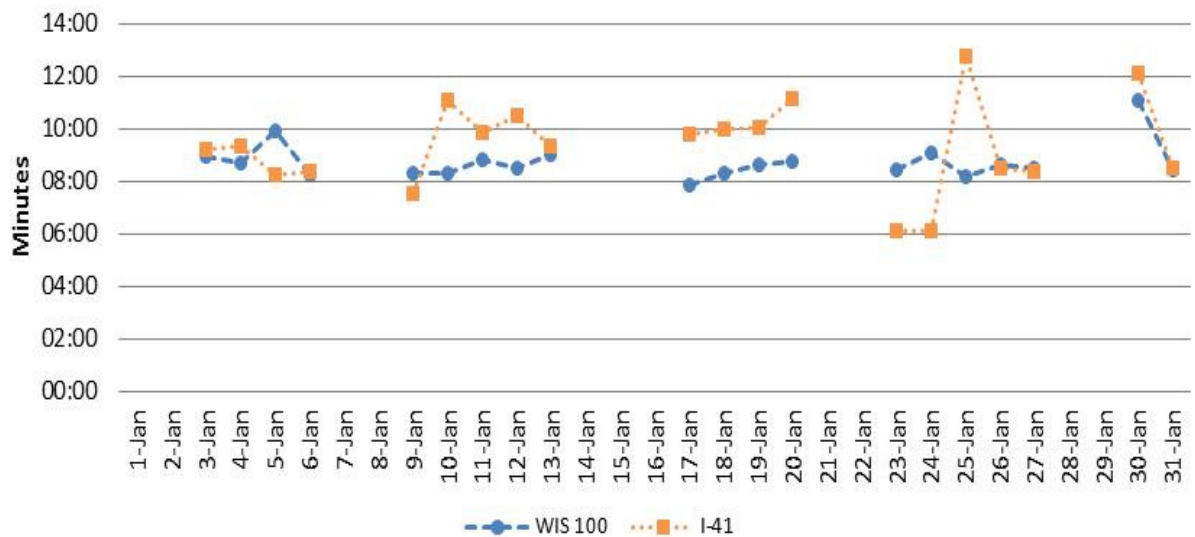
NORTH LEG - Capitol Drive to I-94 (SB)

AM



NORTH LEG - Capitol Drive to I-94 (SB)

PM

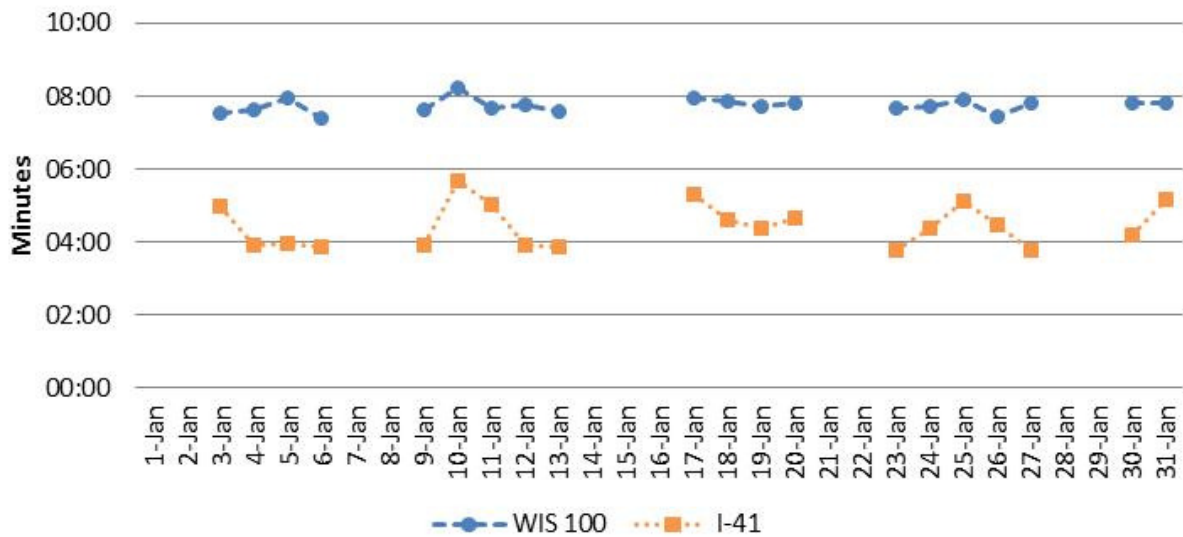


Notes: AM (6am to 9am) and PM (3pm to 6pm)

CORRIDOR AVERAGE TRAVEL TIME

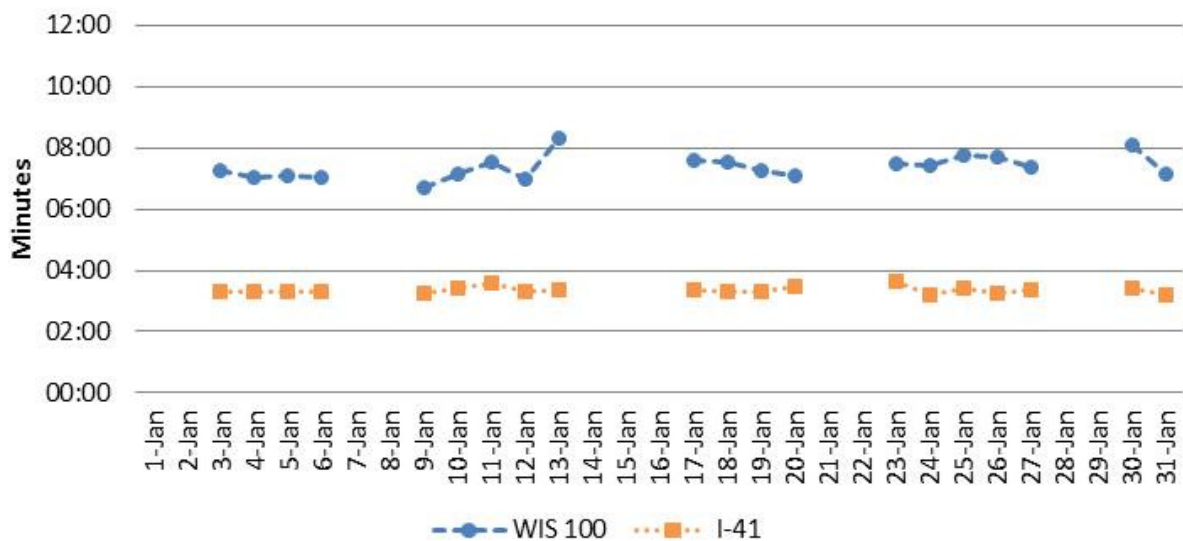
SOUTH LEG - Beloit Road to I-94 (NB)

AM



SOUTH LEG - Beloit Road to I-94 (NB)

PM

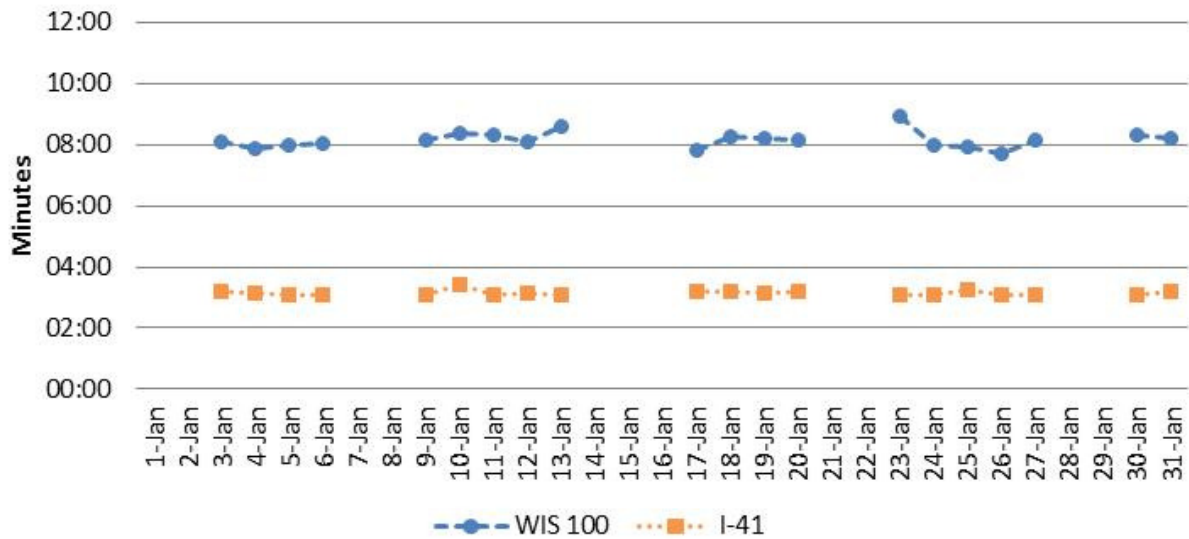


Notes: AM (6am to 9am) and PM (3pm to 6pm)

CORRIDOR AVERAGE TRAVEL TIME

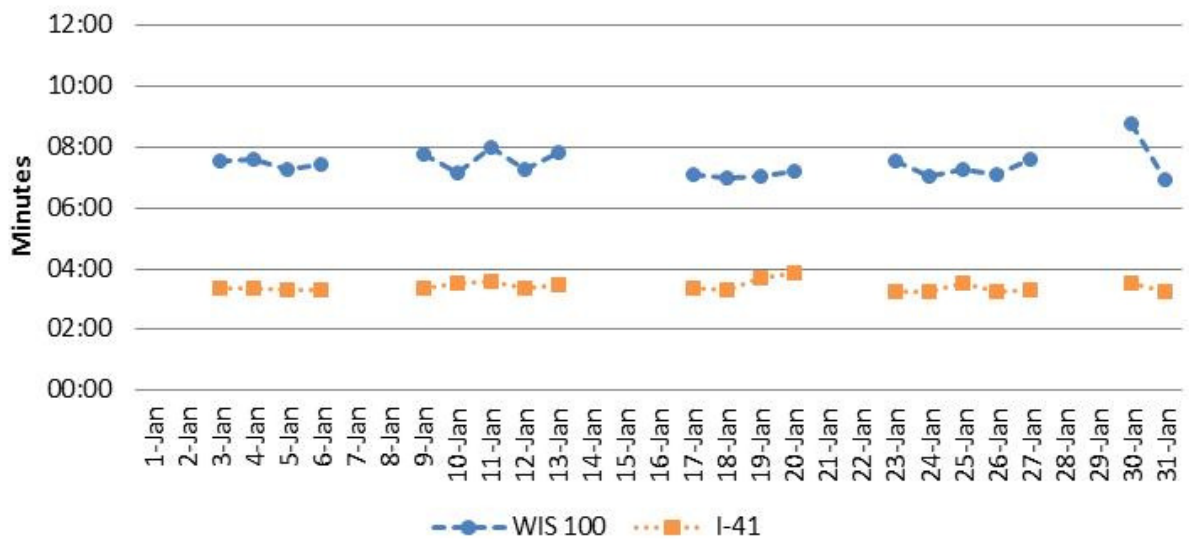
SOUTH LEG - I-94 to Beloit Road (SB)

AM



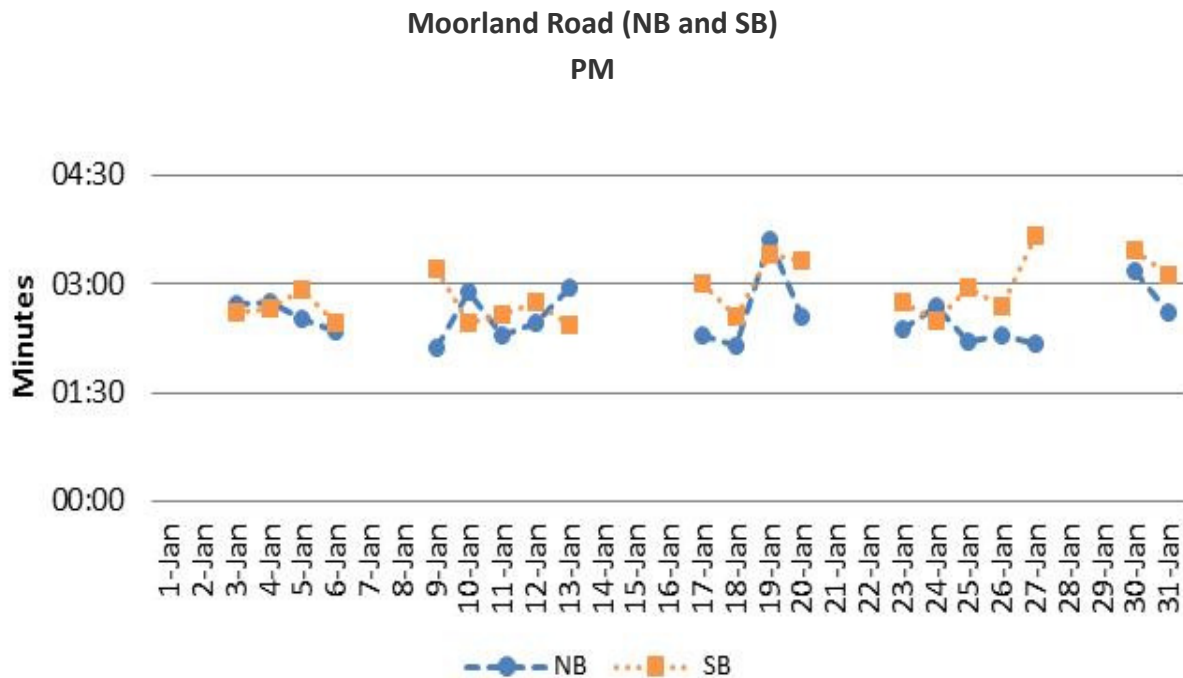
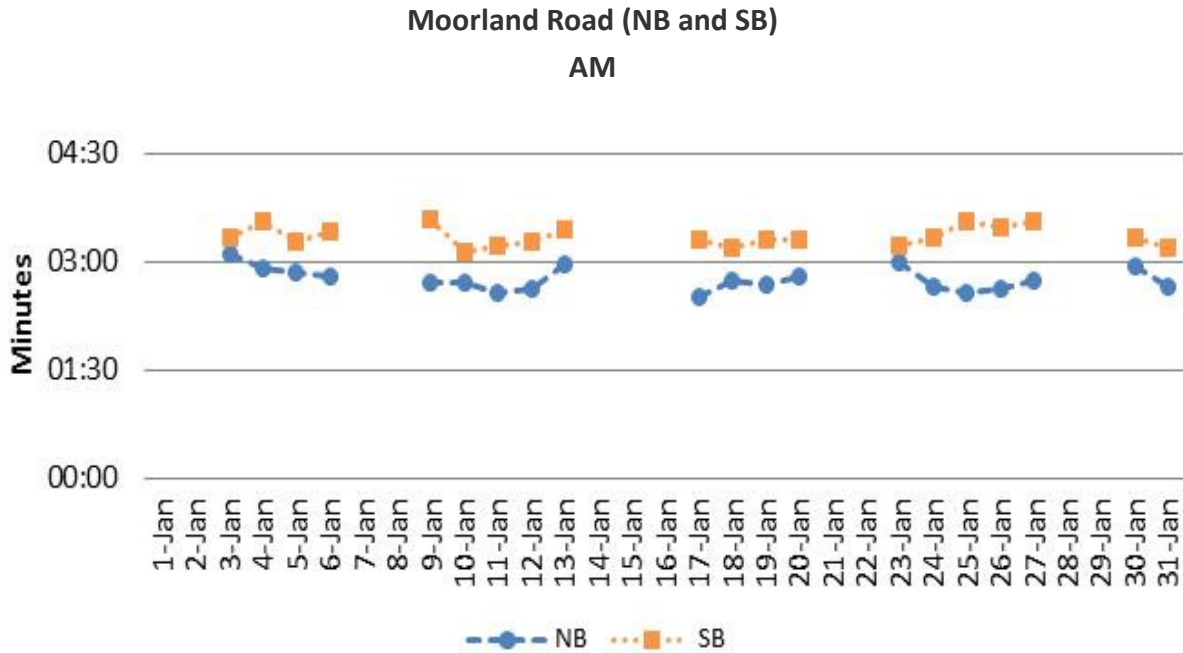
SOUTH LEG - I-94 to Beloit Road (SB)

PM



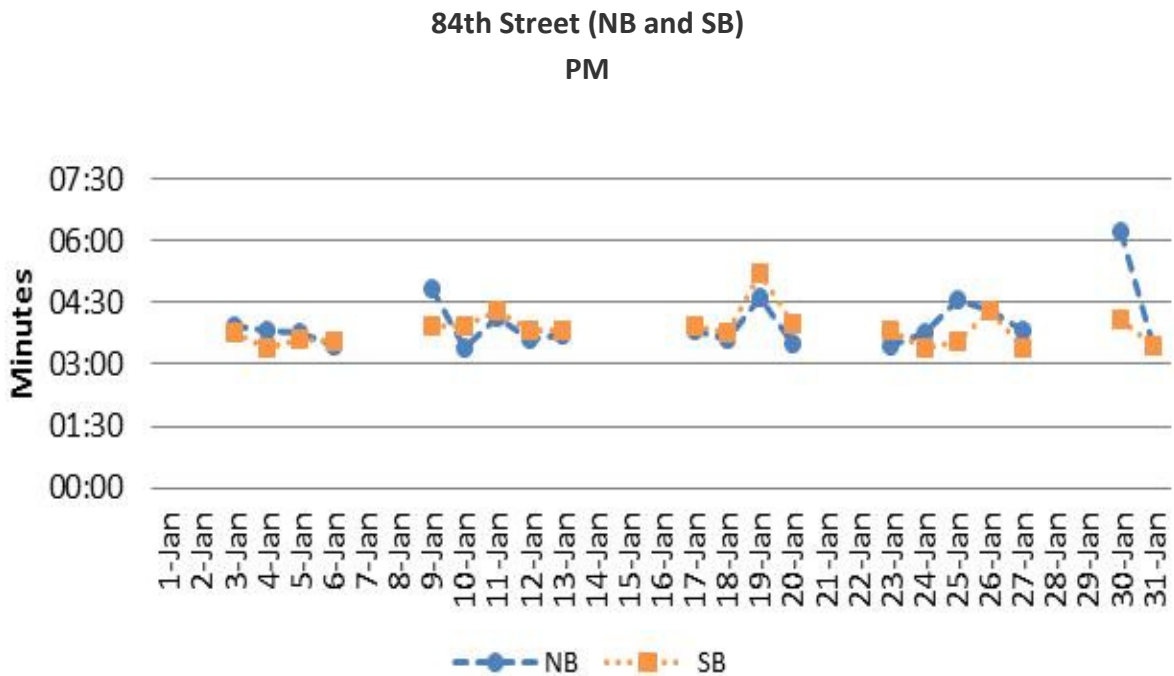
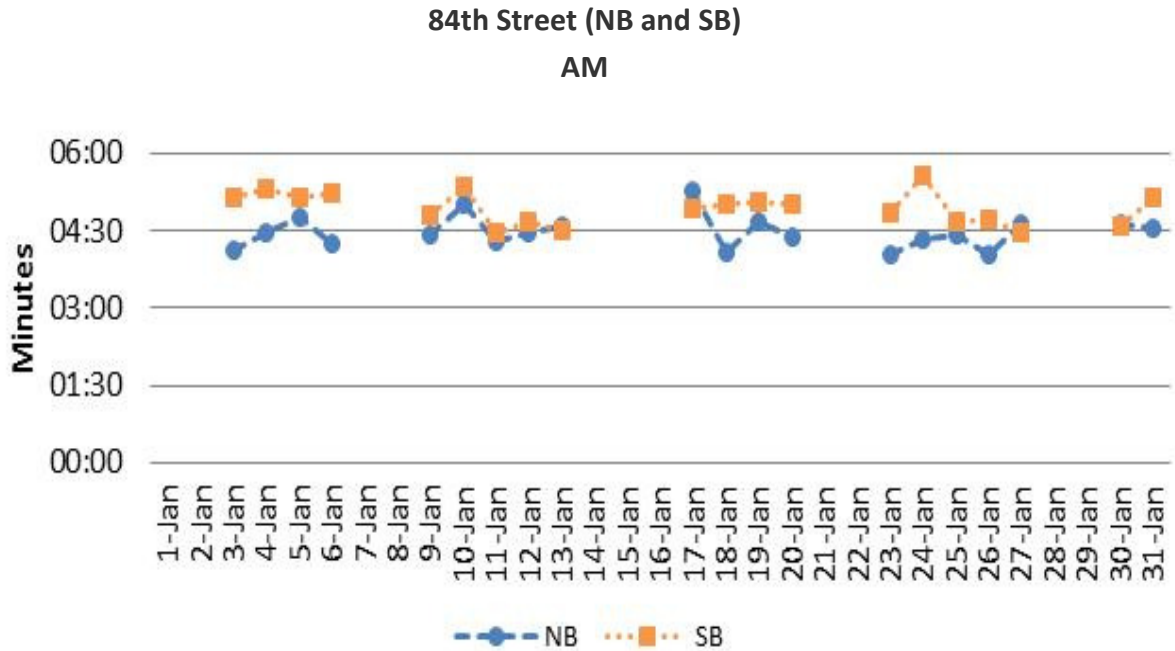
Notes: AM (6am to 9am) and PM (3pm to 6pm)

CORRIDOR AVERAGE TRAVEL TIME



Notes: AM (6am to 9am) and PM (3pm to 6pm)

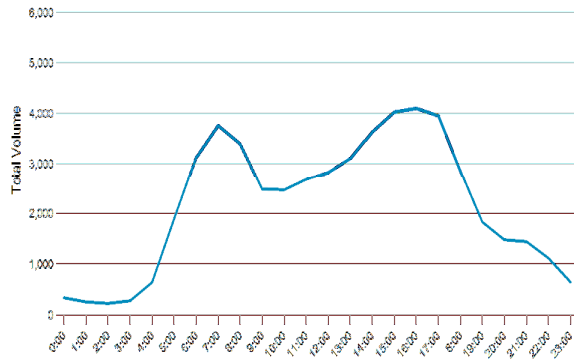
CORRIDOR AVERAGE TRAVEL TIME



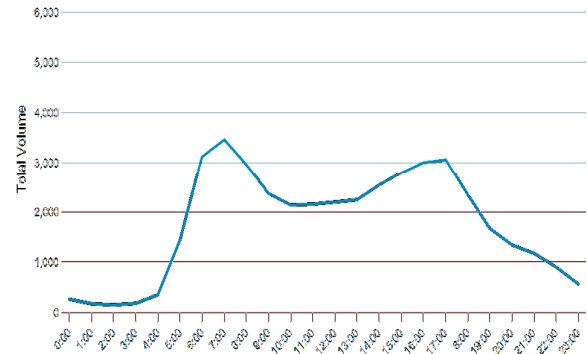
Notes: AM (6am to 9am) and PM (3pm to 6pm)

DIRECTIONAL VOLUMES—FREEWAYS

I-94 at 84th Street WB



I-94 at 84th Street EB



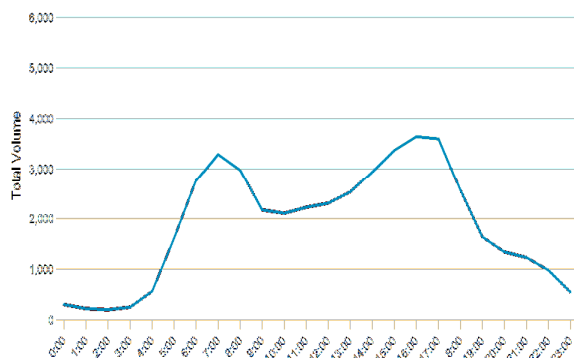
I-94 at WIS 100 WB

No Data Available

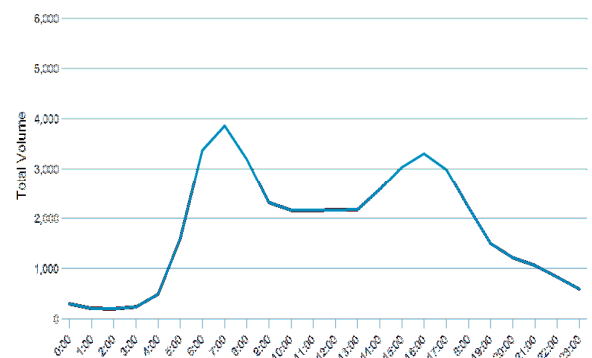
I-94 at WIS 100 EB

No Data Available

I-94 at Moorland Road WB



I-94 at Moorland Road EB



Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.

DIRECTIONAL VOLUMES—FREEWAYS

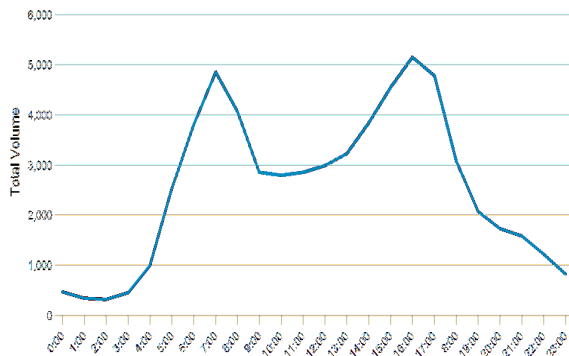
I-41 at Bluemound Road NB

No Data Available

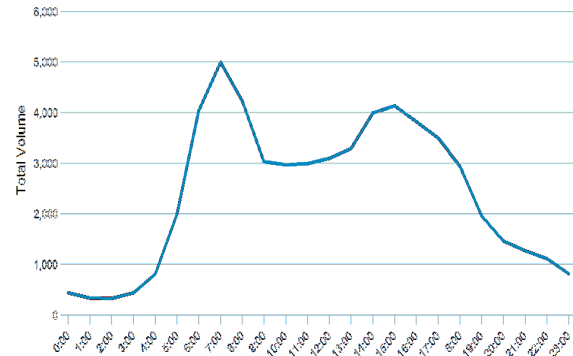
I-41 at Bluemound Road SB

No Data Available

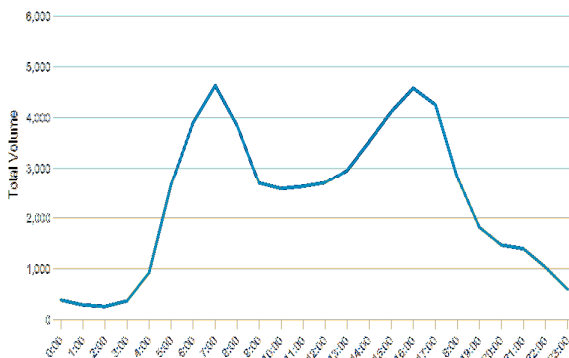
I-41 at Burleigh Street NB



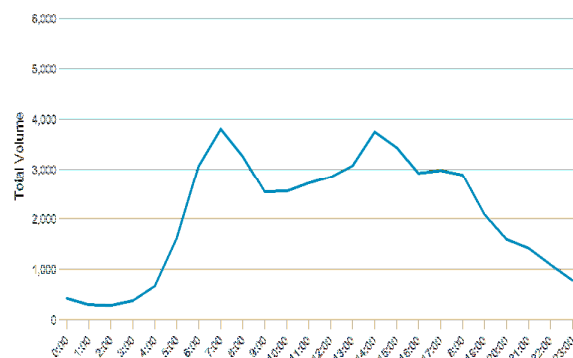
I-41 at Burleigh Street SB



I-41 at Watertown Plank Road NB



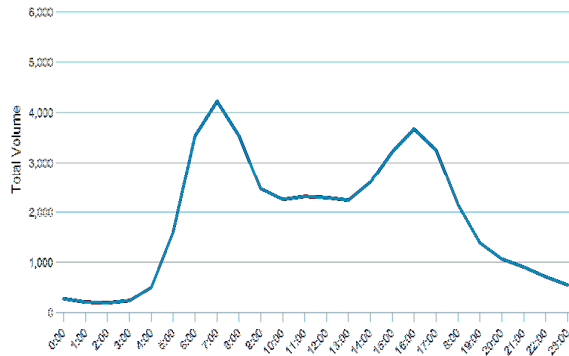
I-41 at Watertown Plank Road SB



Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.

DIRECTIONAL VOLUMES—FREEWAYS

I-94 at Barker Road EB



I-94 at Barker Road WB

No Data Available

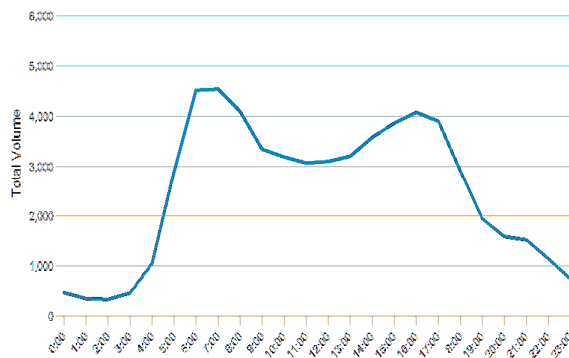
I-41 at Greenfield Avenue NB

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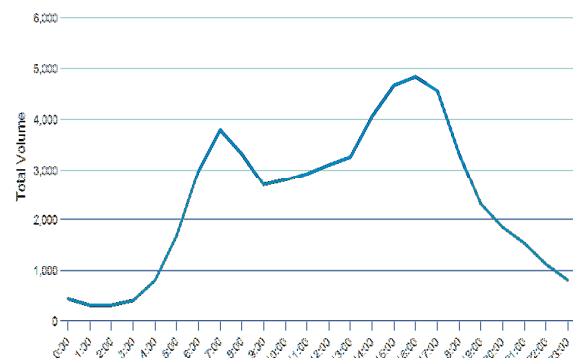
I-41 at Greenfield Avenue SB

No Data Available

I-41 at Cleveland Avenue NB

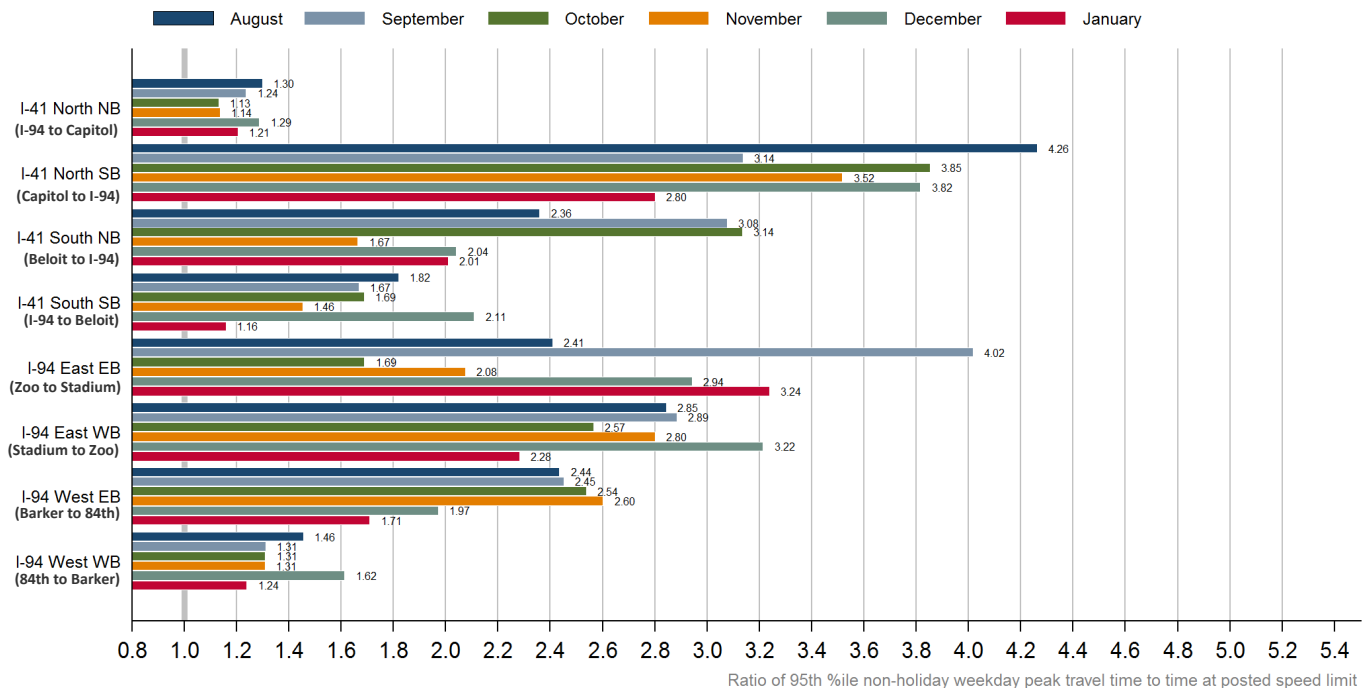
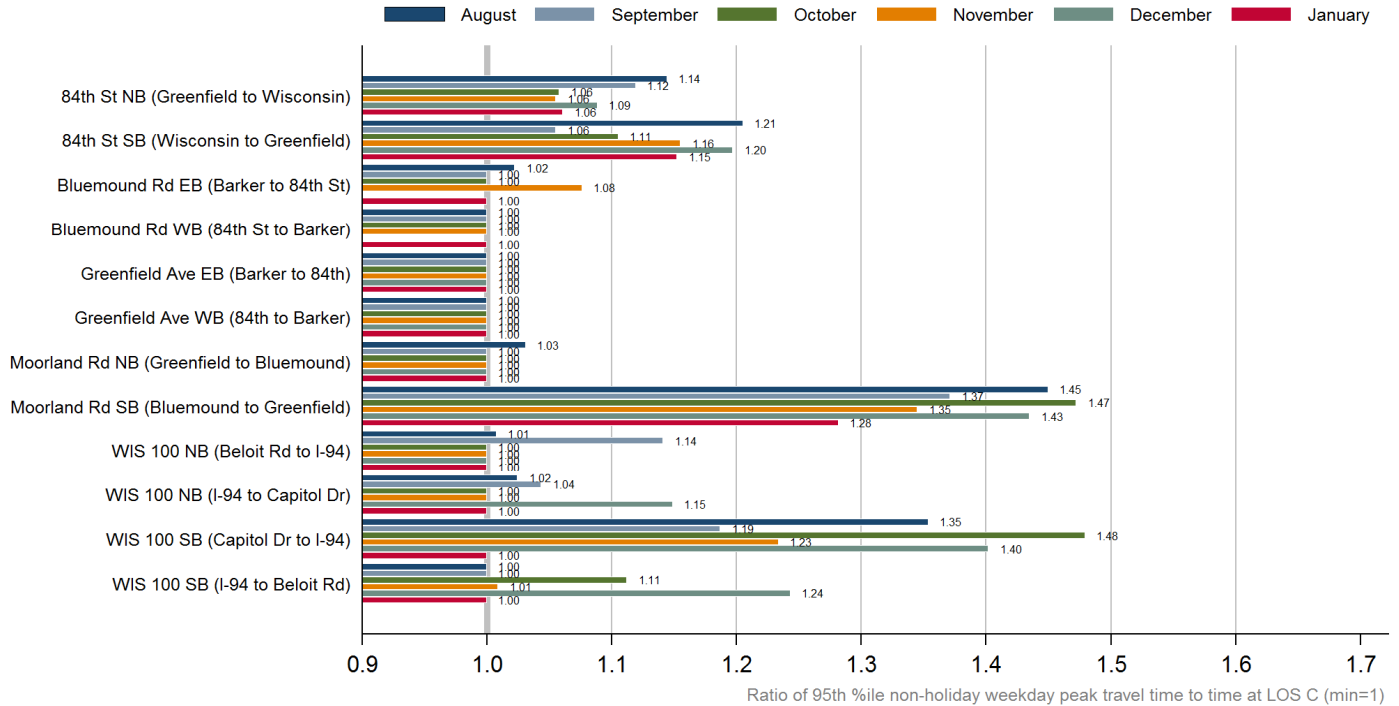


I-41 at Cleveland Avenue SB

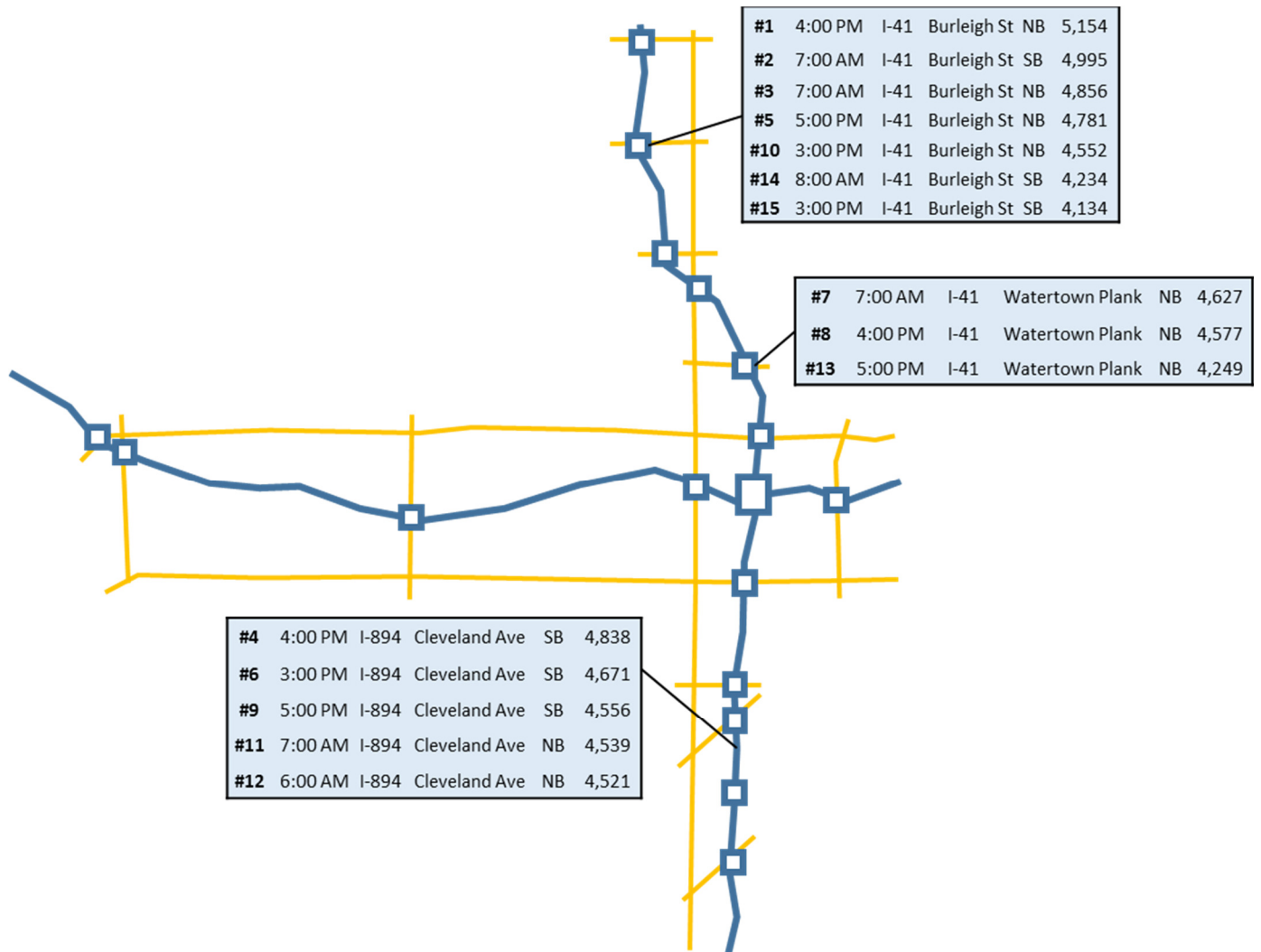


Notes: Volumes are an average of weekday volumes (Monday through Friday). No holidays.

PLANNING TIME INDEX (PTI)

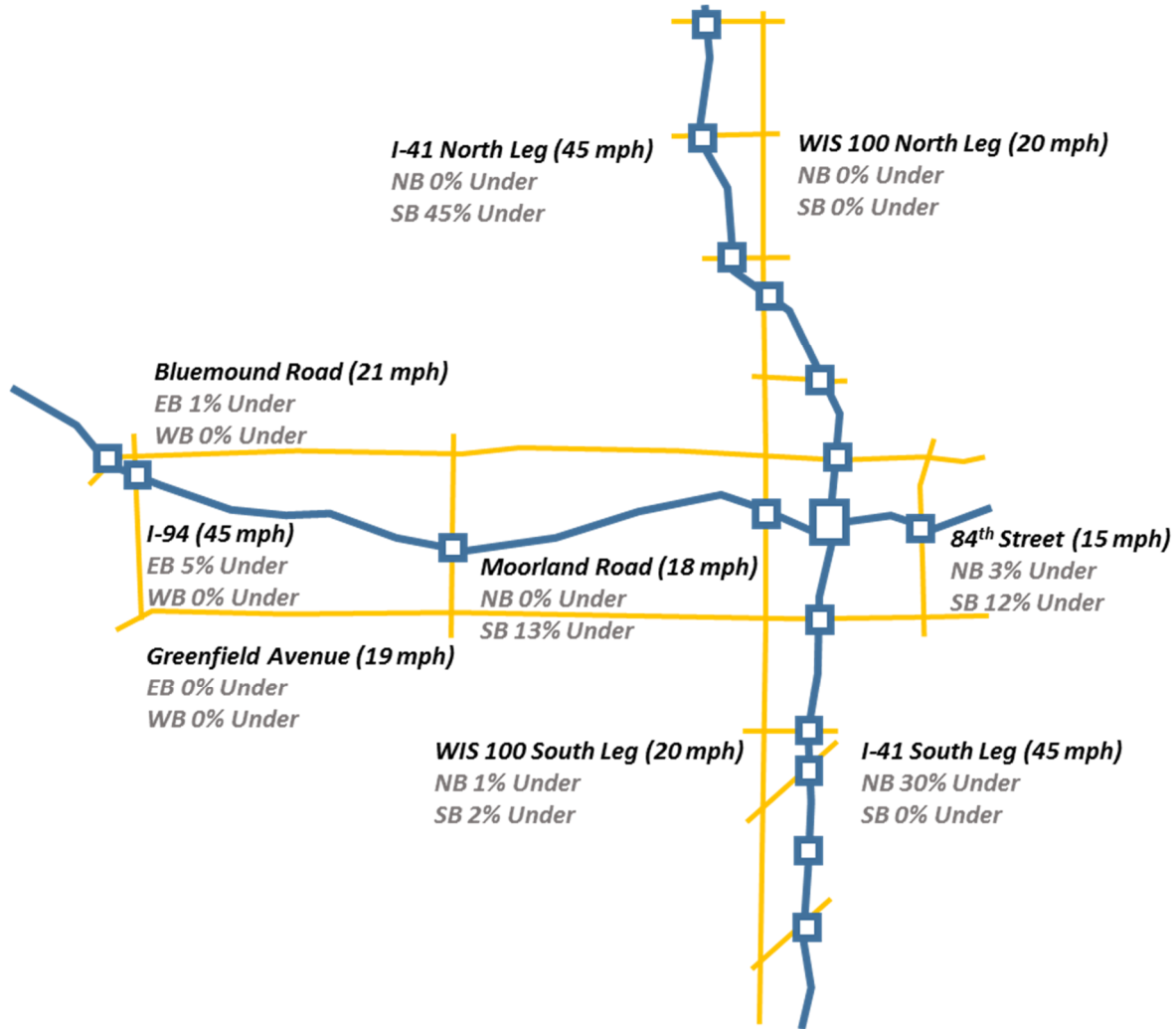


TOP TRAFFIC VOLUME HOURS—FREEWAYS



Notes: Volume hours averaged over the month.
Weekdays, Non-holidays

PERCENT UNDER A GIVEN SPEED THRESHOLD

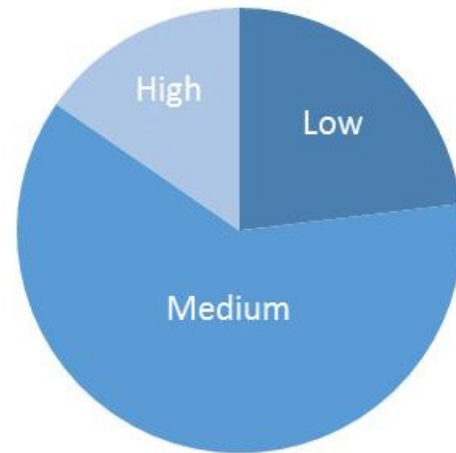


Notes: Percentages are peak hours [AM (6am to 9am) and PM (3pm to 6pm)] under the speed threshold noted next to each corridor.

Weekdays, Non-holidays

Arterial street actual speed compared to LOS C speed which is 50% of the posted speed limit. The freeway actual speed is compared to 45 mph.

DEVICE FAILURE IMPACT



DEVICE	LOCATION	DAYS OUT	AADT	TOTAL VEHICLES	IMPACT
CCTV-40-0007	I-94 @ WIS 100	2	134,000	268,000	Medium
CCTV-40-0039	I-41 @ North Ave	2	156,000	312,000	Medium
CCTV-40-0110	WIS 100 @ North Ave	2	35,000	70,000	Low
CCTV-67-0006	I-94 @ 121st St	3	125,000	375,000	Medium
CCTV-67-0119	Bluemound Rd @ Barker Rd	2	35,700	71,400	Low
DMS-40-0014	Capitol Dr EB @ 126th St	2	50,800	101,600	Medium
DMS-67-0121	Greenfield Ave EB @ W of Moorland Rd	1	20,300	20,300	Low
RM-40-0041	I-41/894 SB @ Greenfield Ave	2	123,000	246,000	Medium
RM-40-0044	I-41/894 SB @ National Ave	3	123,000	369,000	Medium
RM-40-0101	I-41 NB @ Capitol Dr	2	122,000	244,000	Medium
RM-67-0042	I-94 EB @ Moorland Rd SB	20	125,000	2,500,000	High
RM-67-0064	I-94 EB @ Bluemound Rd	1	125,000	125,000	Medium
RM-67-0065/66	I-94 WB @ County JJ/Bluemound Rd C-D	15	125,000	1,875,000	High

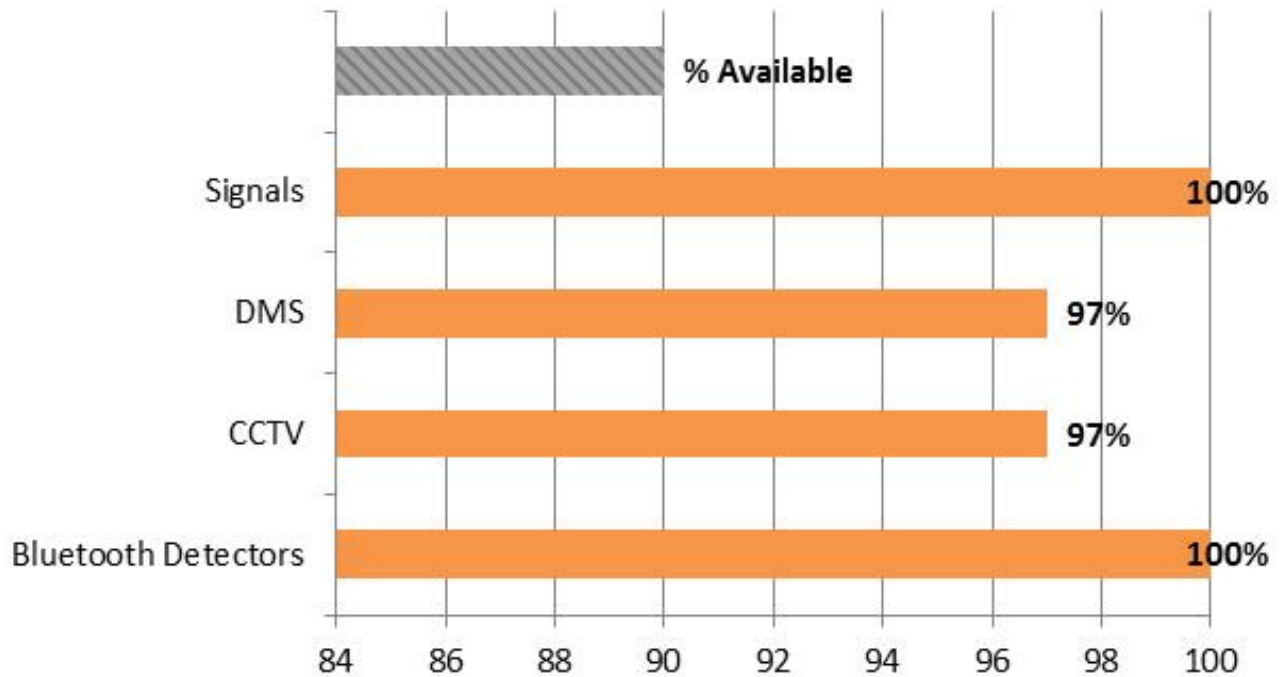
LOW <100,000
 MEDIUM 100,000 TO 500,000
 HIGH >500,000

Notes: Device Failure Impact tracks the status/health of an actual field device. This measure monitors the infrastructural investment and may assist with prioritizing response. Signal device maintenance tickets are located on page 16. Longer ramp meter outages were locations where traffic sensor equipment needed to be replaced.

MAJOR COMMUNICATION FAILURE IMPACT

None for the month of January.

DEVICE COMMUNICATION AVAILABILITY



Measure Summary

CCTV Outages

WIS 100 @ Beloit Rd

Signals with Communication Failures

None

Bluetooth Outages

Note: Hardware at Bluemound Rd & Executive Dr was the cause for data not collected, not the communication infrastructure.

Signal Work Orders for January 2017

Work Order #	Signal #	Intersection Location	Start Date/Time
344814	S40-1085	WIS 100 & Burleigh	1/9/2017 8:28
345371	S40-1085	WIS 100 & Burleigh	1/23/2017 8:20
344807	S40-1085	WIS 100 & Burleigh	1/9/2017 7:42
345166	S40-1088	WIS 100 & Lincoln	1/12/2017 13:33
345372	S40-1088	WIS 100 & Lincoln	1/23/2017 8:44
344644	S40-1099	I-894 Ramps & Oklahoma Ave	1/4/2017 16:15
345424	S40-1388	Greenfield Ave & 84th St	1/25/2017 7:17
344989	S67-0133	Bluemound Rd & Barker Rd	1/10/2017 12:36
345093	S67-0133	Bluemound Rd & Barker Rd	1/11/2017 13:57
344744	S67-0150	Greenfield Ave & Calhoun Rd	1/5/2017 16:52
345092	S67-0150	Greenfield Ave & Calhoun Rd	1/11/2017 13:34
345340	S67-0411	Greenfield Ave & Barker Rd	1/20/2017 10:39
345433	S67-0441	Bluemound Rd & Corporate Dr	1/25/2017 13:39

Notes: Device Communication Availability tracks the status/health of communication infrastructure that services field devices. Unmanaged signals are offline due to construction or maintenance activities.

Appendix

Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
CORRIDOR AVERAGE TRAVEL TIME (MIN:SEC)						
Bluemound Road—84th Street to Barker Road (EB) AM	n/a	14:54	22:00	✓	15:05	
Bluemound Road—84th Street to Barker Road (EB) PM	n/a	14:29	22:00	✓	14:05	
Bluemound Road—84th Street to Barker Road (WB) AM	n/a	15:56	22:00	✓	16:07	
Bluemound Road—84th Street to Barker Road (WB) PM	n/a	14:15	22:00	✓	13:59	
I-94—84th Street to Barker Road (EB) AM	08:23	08:22	10:08	✓	09:02	
I-94—84th Street to Barker Road (EB) PM	10:02	09:30	10:08	✓	10:35	↑
I-94—84th Street to Barker Road (WB) AM	08:25	08:12	10:08	✓	08:18	
I-94—84th Street to Barker Road (WB) PM	09:17	08:12	10:08	✓	08:37	↑
Greenfield Avenue—84th Street to Barker Road (EB) AM	15:19	15:00	23:41	✓	15:11	
Greenfield Avenue—84th Street to Barker Road (EB) PM	15:27	14:15	23:41	✓	14:54	↑
Greenfield Avenue—84th Street to Barker Road (WB) AM	15:49	15:29	23:41	✓	15:39	
Greenfield Avenue—84th Street to Barker Road (WB) PM	15:35	15:00	23:41	✓	15:32	↑
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) AM	09:54	08:50	12:12	✓	09:19	↑
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) PM	08:27	08:07	12:12	✓	08:09	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) AM	09:05	08:14	12:12	✓	08:40	↑
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) PM	09:02	08:46	12:12	✓	08:48	
I-41—Capitol Drive to I-94 (NB) AM	05:17	05:16	06:24	✓	05:16	
I-41—Capitol Drive to I-94 (NB) PM	05:43	05:23	06:24	✓	05:28	
I-41—Capitol Drive to I-94 (SB) AM	05:26	05:27	06:24	✓	05:28	
I-41—Capitol Drive to I-94 (SB) PM	12:10	09:22	06:24		11:10	↑
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) AM	08:24	07:45	11:36	✓	08:05	↑
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) PM	07:29	07:23	11:36	✓	07:18	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) AM	09:00	08:10	11:36	✓	08:32	↑
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) PM	07:47	07:25	11:36	✓	07:34	
I-41—I-94 to Beloit Road (NB) AM	04:08	04:27	04:24		04:07	
I-41—I-94 to Beloit Road (NB) PM	03:44	03:21	04:24	✓	03:28	
I-41—I-94 to Beloit Road (SB) AM	03:13	03:09	04:24	✓	03:10	
I-41—I-94 to Beloit Road (SB) PM	03:59	03:25	04:24	✓	03:40	↑
Moorland Road (NB) AM	03:00	02:46	04:36	✓	02:54	
Moorland Road (NB) PM	02:36	02:34	04:36	✓	02:34	
Moorland Road (SB) AM	03:49	03:21	04:36	✓	03:32	
Moorland Road (SB) PM	03:04	02:53	04:36	✓	02:58	
84th Street (NB) AM	04:49	04:29	06:12	✓	04:39	
84th Street (NB) PM	03:57	04:00	06:12	✓	03:58	
84th Street (SB) AM	05:24	04:56	06:12	✓	05:09	↑
84th Street (SB) PM	04:05	03:51	06:12	✓	03:57	

*Trend = difference of 30 seconds or more from previous to current month

Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
CORRIDOR AVERAGE SPEED (MPH)						
Bluemound Road—84th Street to Barker Road (EB) AM	n/a	31	21	✓	31	
Bluemound Road—84th Street to Barker Road (EB) PM	n/a	32	21	✓	33	
Bluemound Road—84th Street to Barker Road (WB) AM	n/a	32	21	✓	30	
Bluemound Road—84th Street to Barker Road (WB) PM	n/a	32	21	✓	33	
I-94—84th Street to Barker Road (EB) AM	56	55	45	✓	52	
I-94—84th Street to Barker Road (EB) PM	47	49	45	✓	45	
I-94—84th Street to Barker Road (WB) AM	55	56	45	✓	56	
I-94—84th Street to Barker Road (WB) PM	50	56	45	✓	54	↑
Greenfield Avenue—84th Street to Barker Road (EB) AM	29	30	19	✓	30	
Greenfield Avenue—84th Street to Barker Road (EB) PM	30	32	19	✓	31	
Greenfield Avenue—84th Street to Barker Road (WB) AM	29	29	19	✓	29	
Greenfield Avenue—84th Street to Barker Road (WB) PM	29	30	19	✓	29	
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) AM	25	28	20	✓	27	
WIS 100 NORTH LEG—Capitol Drive to I-94 (NB) PM	30	31	20	✓	31	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) AM	28	30	20	✓	29	
WIS 100 NORTH LEG—Capitol Drive to I-94 (SB) PM	28	29	20	✓	29	
I-41—Capitol Drive to I-94 (NB) AM	55	55	45	✓	55	
I-41—Capitol Drive to I-94 (NB) PM	52	54	45	✓	54	
I-41—Capitol Drive to I-94 (SB) AM	54	54	45	✓	54	
I-41—Capitol Drive to I-94 (SB) PM	27	32	45		28	↑
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) AM	27	29	20	✓	28	
WIS 100 SOUTH LEG—I-94 to Beloit Road (NB) PM	30	31	20	✓	31	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) AM	25	28	20	✓	27	
WIS 100 SOUTH LEG—I-94 to Beloit Road (SB) PM	29	31	20	✓	30	
I-41—I-94 to Beloit Road (NB) AM	44	41	45		44	
I-41—I-94 to Beloit Road (NB) PM	49	53	45	✓	52	↑
I-41—I-94 to Beloit Road (SB) AM	56	57	45	✓	57	
I-41—I-94 to Beloit Road (SB) PM	47	52	45	✓	50	↑
Moorland Road (NB) AM	26	28	18	✓	27	
Moorland Road (NB) PM	30	31	18	✓	31	
Moorland Road (SB) AM	21	23	18	✓	22	
Moorland Road (SB) PM	26	27	18	✓	27	
84th Street (NB) AM	19	20	15	✓	20	
84th Street (NB) PM	23	23	15	✓	23	
84th Street (SB) AM	17	19	15	✓	18	
84th Street (SB) PM	23	24	15	✓	24	

*Trend = difference of 4 mph or more from previous to current month

Mobility

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
DIRECTIONAL VOLUMES OF FREEWAYS (ADT)						
I-94 & 84th Street WB	54,485	52,402			53,735	
I-94 & 84th Street EB	n/a	42,505			42,505	
I-94 & WIS 100 WB	59,213	n/a			59,047	
I-94 & WIS 100 EB	67,766	n/a			66,533	
I-94 & Moorland Road WB	51,976	44,805			49,240	↓
I-94 & Moorland Road EB	44,494	43,735			43,471	
I-94 & Barker Road EB	46,378	45,385			46,546	
I-94 & Barker Road WB	n/a	n/a			n/a	
I-41 & Bluemound Road NB	n/a	n/a			n/a	
I-41 & Bluemound Road SB	n/a	n/a			n/a	
I-41 & Burleigh Street NB	60,452	61,350			61,547	
I-41 & Burleigh Street SB	58,017	57,944			58,205	
I-41 & Watertown Plank Road NB	57,145	56,369			57,121	
I-41 & Watertown Plank Road SB	61,586	60,431			61,281	
I-41 & Greenfield Avenue NB	n/a	n/a			n/a	
I-41 & Greenfield Avenue SB	n/a	n/a			n/a	
I-41 & Oklahoma Avenue NB	61,838	59,915			61,136	
I-41 & Oklahoma Avenue SB	58,662	57,874			58,609	

*Trend = > 3000 ADT difference from previous to current month

Reliability

Performance Measure	Previous Month	Current Month	Target	Target Met	Last 3 Months	Trend*
PERCENT UNDER A GIVEN SPEED THRESHOLD (%)			<50%			
Bluemound Road (EB)	3%	1%		✓	2%	
Bluemound Road (WB)	2%	0%		✓	1%	
Greenfield Avenue (EB)	2%	0%		✓	1%	
Greenfield Avenue (WB)	1%	0%		✓	0%	
Moorland Road (NB)	1%	0%		✓	0%	
Moorland Road (SB)	25%	13%		✓	20%	↑
84th Street (NB)	6%	3%		✓	4%	
84th Street (SB)	12%	12%		✓	11%	
WIS 100 North Leg (NB)	10%	0%		✓	3%	↑
WIS 100 North Leg (SB)	13%	0%		✓	8%	↑
WIS 100 South Leg (NB)	3%	1%		✓	1%	
WIS 100 South Leg (SB)	27%	2%		✓	14%	↑
I-94 (EB)	19%	5%		✓	31%	↑
I-94 (WB)	10%	0%		✓	4%	↑
I-41 North Leg (NB)	5%	0%		✓	2%	↑
I-41 North Leg (SB)	48%	45%		✓	47%	
I-41 South Leg (NB)	43%	30%		✓	29%	↑
I-41 South Leg (SB)	14%	0%		✓	7%	↑

*Trend = 5% or more difference from previous to current month